



Grade 6

INTERNATIONAL ACADEMIC DECATHLON

2024

Total Questions: 50

Total Marks: 50

Time: 1hr

Set: A

Question: 1 of 50

QID: 498

Marks: 1

Read the text.

Slouched at a corner table in a forgotten diner in a quiet part of town, Rowan Shaw looks as if he just rolled out of bed. Shaw, who is known as the "difficult one" in the boy band Momentum, is wearing a pair of heavily ripped jeans and a white T-shirt. His black leather jacket looks as if it might have been run over by a bulldozer. A faded straw fedora is pulled low over his forehead, casting a shadow across brown eyes fringed with ridiculously thick eyelashes.

Which author's purpose is suggested by the text?

- ☐ A. to convince readers that Rowan Shaw is an important musician
- ☐ B. to describe Rowan Shaw's appearance

Question: 2 of 50

QID: 499

Marks: 1

Read the text.

I step outside. First, it's a quick, cold intake of breath, then a warm, cloudy exhale into the new winter day. Dots of ice—tiny, sharp, frozen drops land and vanish on my still-warm cheeks.

I am packaged in wool, fleece, and thick nylon on top, and my feet are sheltered in warm rubber boots. "Shhh shhh shhh," whisper my snow pants as I walk.

One inch of snow is everywhere now, and the quiet world says, "shush." Weightless crystals glint in the light around me. It is the first one—the first day of snow!

Which author's purpose is suggested by the text?

- ☐ A. to describe the experience of going outside in the snow
- ☐ B. to inform readers what to wear to keep warm in winter

Question: 3 of 50

QID: 486

Marks: 1

Complete the sentence with the best conjunction.

The washing machine was broken, ____ Kira washed her clothes by hand

- ☐ A. or
- ☐ B. so

Question: 4 of 50

QID: 487

Marks: 1

Complete the sentence with the best conjunction.

An electric saw is a useful tool, ____ it can be difficult to handle.

- ☐ A. or
- ☐ B. yet

Question: 5 of 50

QID: 488

Marks: 1

Select the preposition.
The ravens flew ____ her head.

☐ A. above☐ B. on**Question: 6 of 50**

QID: 489

Marks: 1

Select the preposition.
That mystery novel will surely appeal ____ him.

☐ A. at☐ B. to**Question: 7 of 50**

QID: 480

Marks: 1

Why might a nurse mismeasure a patient's temperature?

☐ A. because the patient has become sicker☐ B. because the thermometer is broken**Question: 8 of 50**

QID: 481

Marks: 1

How would you feel after a sleepless night?

☐ A. well rested☐ B. exhausted

1) a) Select the best evidence to support the statement that the fox cares about the boy. His boy would throw the toy, and he would track it down-a feat the boy always seemed to find remarkable. b) He would retrieve the toy and wait with it in his mouth until the boy found him and took it back to toss again.

2) a) And sure enough, the boy held the toy soldier aloft and then hurled it into the woods....b) Whatever his boy needed-protection, distraction, affection-he would have offered.

3) a) Instead, he set off after the toy. b) Finding it was slightly more difficult than usual, as there were so many other, fresher odors in the woods.

☐ A. 1(a)☐ B. 1(b)☐ C. 2(a)☐ D. 2(b)☐ E. 3(a)☐ F. 3(b)

Consider this claim: Swallowing watermelon seeds is bad for you. Now consider how someone might argue against this. Which sentence presents a counterclaim to the above claim?

☐ A. Watermelon seeds contain lots of healthy protein.☐ B. Watermelon seeds are sometimes used for spitting contests.

Look at the map of East Asia and it's nearby seas. And fill in the blank:

If you swam between the two northern islands of Japan, you would pass _____.



- ☐ A. The Yellow sea
- ☐ C. The East China Sea

- ☐ B. The sea of Japan

Which of these countries does the Equator intersect?



- ☐ A. North America
- ☐ B. Africa
- ☐ C. Antarctica

What document officially ended the Revolutionary War in 1783?

- ☐ A. The Articles of Confederation
- ☐ B. The Treaty of paris
- ☐ C. The Independence Act
- ☐ D. The Constitution of the United States

When did the French and Indian war ended?

- ☐ A. 1763
- ☐ B. 1760
- ☐ C. 1765
- ☐ D. 1767

Question: 15 of 50

QID: 794

Marks: 1

The United States has a federal system. Based on these definitions, which of these statements would most likely be made by a person who lives under a federal system?

- ☐ A. I only pay attention to state politics since the national government has almost no power.
- ☐ B. Both my state and national government officials have power over important issues
- ☐ C. My national government officials decide most issues that come up.

Question: 16 of 50

QID: 795

Marks: 1

Which one is the summarized example of the this specific part of state constitution;

"A preamble, or introduction, to the constitution that states the goals of the constitution."

- ☐ A. California Constitution: We, the people of the State of California, grateful for our freedom, in order to secure and protect its benefits, do establish this Constitution.
- ☐ B. Texas Constitution: All persons may freely speak, write, and publish their opinions on all subjects, as long as they don't abuse that right.
- ☐ C. Minnesota Constitution: The term of office for the governor and lieutenant governor is four years. Each will be at least 25 years old

Question: 17 of 50

QID: 800

Marks: 1

The city of Summerfield has been one of the world's biggest makers of cough drops for many years. But last month, Summerfield's cough drop factories were destroyed by floods. What will probably happen to the overall supply of cough drops?

- ☐ A. The supply probably will go up
- ☐ B. The supply probably will go down

Question: 18 of 50

QID: 801

Marks: 1

In 1940, scientists invented a new form of synthetic, or artificial, rubber. It was cheaper to work with than natural rubber. What happened to the overall supply of rubber tires after 1940?

- ☐ A. The supply went up
- ☐ B. The supply went down

Question: 19 of 50

QID: 803

Marks: 1

Why did some monks begin writing down the Buddha's teachings around 50 BCE?

- ☐ A. They worried that the oral tradition of the Buddhas teachings might be forgotten if too many monks died.
- ☐ B. The monastic community wanted only people who could read and write to become Buddhists.
- ☐ C. They wanted to be like other religious groups that had their holy writings written down in books.
- ☐ D. The monastic community was worried that the Buddha might die during the famine, so they wrote down his words.

Question: 20 of 50

QID: 804

Marks: 1

A mandate is the authority to act in a certain way. What did it mean to have the Mandate of Heaven?

- ☐ A. Heaven required the ruler to pray every day.
- ☐ B. Heaven made the ruler rich.
- ☐ C. Heaven allowed the ruler to act however he wanted.
- ☐ D. Heaven gave the ruler the authority to rule

Question: 21 of 50

QID: 890

Marks: 1

Select the part whose main job is to control which substances enter and leave the cell.

- ☐ A. cell membrane
- ☐ B. vacuole
- ☐ C. mitochondria
- ☐ D. endoplasmic reticulum

Question: 22 of 50

QID: 891

Marks: 1

Select the part whose main job is to use energy from sunlight to make sugar.

- ☐ A. chloroplast
- ☐ B. mitochondria
- ☐ C. cell wall
- ☐ D. cell membrane

Granodiorite has the following properties:

solid

found in nature

not a pure substance

not made by living things

no fixed crystal structure

Is granodiorite a mineral?

☐ A. yes

☐ B. no

Question: 24 of 50

QID: 902

Marks: 1

An island is a piece of land that is fully surrounded by water.

Select the island.

☐ A.



☐ B.



Question: 25 of 50

QID: 884

Marks: 1

Whitney rode her motorcycle on the freeway for 2 hours at a steady speed. She rode 100 kilometers in that time. What was her speed?

☐ A. 100 kilometers per hour

☐ B. 50 kilometers per hour

☐ C. 200 kilometers per hour

Question: 26 of 50

QID: 885

Marks: 1

A mackerel swam at a steady speed for 10.0 seconds. It swam 331 centimeters in that time. What was its speed?

☐ A. 331 cm/s

☐ B. 33.1 cm/s

Brown-headed cowbirds lay their eggs in the nests of yellow warblers or other songbirds. When a cowbird egg hatches, the warbler parents feed and raise the cowbird chick as their own. This way, the cowbird parents don't spend their own energy raising their offspring. The warbler parents spend so much time and energy raising the cowbird chick that they are not able to raise as many of their own offspring.

Which type of relationship is formed when a brown-headed cowbird lays an egg in a yellow warbler nest?

mutualistic
parasitic

- ☐ A. commensal ☐ B. mutualistic
☐ C. parasitic

Question: 28 of 50

QID: 897

Marks: 1

Catoctin Mountain Park is a temperate deciduous forest ecosystem in Maryland. Most of this forest was cut down for its wood in the early 1900s. But since the 1940s, conservation efforts have allowed the forest to return to much of this park.

Which statements describe the Catoctin Mountain Park ecosystem?

- ☐ A. It has warm, wet summers and cold, wet winters. ☐ B. It has many different types of trees.

Question: 29 of 50

QID: 908

Marks: 1

Dry air has a lower level of humidity than moist air. The air around these volcanoes is usually dry and cold throughout the year.

Does this passage describe the weather or the climate?

(Hint: Weather is what the atmosphere is like at a certain place and time. Climate is the pattern of weather in a certain place.)

- ☐ A. weather ☐ B. climate

Question: 30 of 50

QID: 909

Marks: 1

A high pressure system can push clouds out of an area. It has been clear in the Gobi Desert all week because of a high pressure system in the region.

Does this passage describe the weather or the climate?

(Hint: Weather is what the atmosphere is like at a certain place and time. Climate is the pattern of weather in a certain place.)

- ☐ A. weather ☐ B. climate

Question: 31 of 50

QID: 1163

Marks: 1

Which country became the first in the world to grant women the right to vote in 1893?

- ☐ A. United States ☐ B. New Zealand
☐ C. United Kingdom ☐ D. Canada

Question: 32 of 50

QID: 1164

Marks: 1

The "Arab Spring," a series of anti-government protests and uprisings, began in which year?

- ☐ A. 2009 ☐ B. 2011
☐ C. 2010 ☐ D. 2012

Question: 33 of 50

QID: 1168

Marks: 1

Who was the first human to travel into space?

- ☐ A. Neil Armstrong ☐ B. Yuri Gagarin
☐ C. Buzz Aldrin ☐ D. John Glenn

Question: 34 of 50

QID: 1169

Marks: 1

What is the powerhouse of the cell?

- ☐ A. Nucleus
- ☐ B. Ribosomes
- ☐ C. Mitochondria
- ☐ D. Golgi apparatus

Question: 35 of 50

QID: 1177

Marks: 1

The World Food Programme (WFP) is an organization focused on:

- ☐ A. Animal rights
- ☐ B. Food security and hunger relief
- ☐ C. Human rights
- ☐ D. Education for underprivileged children

Question: 36 of 50

QID: 1178

Marks: 1

NATO, a military alliance, stands for:

- ☐ A. National Atlantic Treaty Organization
- ☐ B. Northern Atlantic Treaty Organization
- ☐ C. North Atlantic Treaty Organization
- ☐ D. New Atlantic Treaty Organization

Question: 37 of 50

QID: 1184

Marks: 1

The Day of the Dead, a celebration to honor deceased loved ones, is widely celebrated in which country?

- ☐ A. Argentina
- ☐ B. Spain
- ☐ C. Mexico
- ☐ D. Germany

Question: 38 of 50

QID: 1185

Marks: 1

Which Indian festival celebrates the triumph of good over evil and the return of Lord Rama to his kingdom?

- ☐ A. Holi
- ☐ B. Raksha Bandhan
- ☐ C. Diwali
- ☐ D. Navaratri

Question: 39 of 50

QID: 1194

Marks: 1

Who won the 2019 Cricket World Cup?

- ☐ A. India
- ☐ B. England
- ☐ C. New Zealand
- ☐ D. Australia

Question: 40 of 50

QID: 1195

Marks: 1

Michael Phelps, a decorated Olympic swimmer, is from which country?

- ☐ A. Canada
- ☐ B. United Kingdom
- ☐ C. Australia
- ☐ D. United States

Question: 41 of 50

QID: 1419

Marks: 1

Which number is prime?

- ☐ A. 9
- ☐ B. 14
- ☐ C. 11
- ☐ D. 4

Question: 42 of 50

QID: 1420

Marks: 1

Which number is a factor of 12?

- ☐ A. 3
- ☐ B. 7
- ☐ C. 13
- ☐ D. 11

Question: 43 of 50

QID: 1430

Marks: 1

What is the value of x if $x + 3 = 8$?

- ☐ A. 2
- ☐ B. 3
- ☐ C. 5
- ☐ D. 6

Question: 44 of 50

QID: 1431

Marks: 1

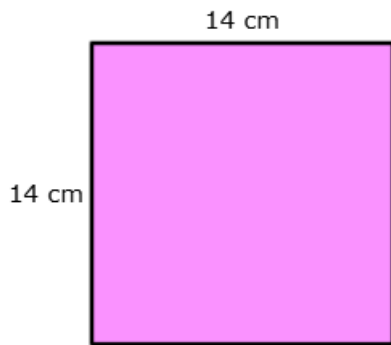
If $7 + x = 12$, what is the value of x ?

- ☐ A. 3 ☐ B. 4
- ☐ C. 5 ☐ D. 6

Question: 45 of 50

QID: 1439

Marks: 1



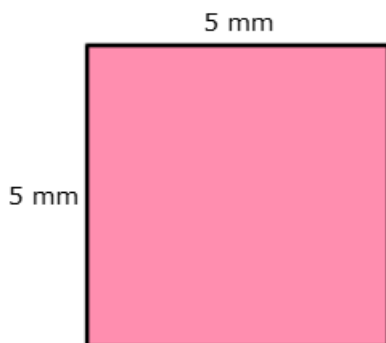
What is the area?

- ☐ A. 129 cm ☐ B. 185 cm
- ☐ C. 196 cm ☐ D. 189 cm

Question: 46 of 50

QID: 1440

Marks: 1



What is the area?

- ☐ A. 25 mm ☐ B. 10 mm
- ☐ C. 18 mm ☐ D. 29 mm

Question: 47 of 50

QID: 1447

Marks: 1

Olivia is filling up her pencil case before school. She wants to bring one pen and one pencil. She has blue or purple pens, and she has pencils decorated with dinosaurs, pumpkins, or stripes. Given these choices, how many different combinations of items could Olivia put in her pencil case?

- ☐ A. 2 ☐ B. 4
- ☐ C. 7 ☐ D. 6

Question: 48 of 50

QID: 1448

Marks: 1

If you flip two coins 8 times, what is the best prediction possible for the number of times both coins will land on heads?

- ☐ A. 2
- ☐ B. 4
- ☐ C. 8
- ☐ D. 6

Question: 49 of 50

QID: 1455

Marks: 1

Last year, a total of 6,623 children attended school in Dayton. 1,570 of those children were boys. About how many of the children were girls? Choose the better estimate.

- ☐ A. 5000
- ☐ B. 10,000
- ☐ C. 1000
- ☐ D. 15000

Question: 50 of 50

QID: 1456

Marks: 1

The yellow dog is smaller than the black dog. The yellow dog is larger than the brown dog. Which dog is the largest?

- ☐ A. Yellow dog
- ☐ B. Black dog
- ☐ C. Brown dog
- ☐ D. None

— END OF QUESTION PAPER —